

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	("5667220"   "5779555"   "6257983"   "6312335"   "6394897"). PN.	US-PGPUB; USPAT	OR	ON	2008/04/04 21:09
S1	4	("5741182" "6929543" "5269519" "6394897"). pn.	USPAT	OR	ON	2008/01/14 09:15
S2	130638	(bat or stick or racket or club or putter)	USPAT	OR	ON	2007/02/07 11:54
S3	0	((bat or stick or racket or club or putter) same (accelerometer or decelerometer or (accelerat\$3 or decelerat\$3) adj (sensor or detector)) and (gaming or video or game or sport or baseball or cricket or hockey or golf or tennis) adj (computer or machine or device or game or terminal) and (strikt\$4 or hitt\$4 or contact\$4 or putt\$4) adj (range or distance or length) and ((speed or velocity or rate or vector) adj (detect\$3 or sens\$3 or calculat\$3 or comput\$3 or determin\$3) with (ball or puck)))	USPAT	OR	ON	2007/02/07 11:59
S4	0	((bat or stick or racket or club or putter) same ((accelerometer or decelerometer or accelerat\$3 or decelerat\$3) with (sensor or detector))) and (electronic or gaming or video or game or sport or baseball or cricket or hockey or golf or tennis) adj (computer or machine or device or game or terminal) and (strikt\$4 or hitt\$4 or contact\$4 or putt\$4) adj (range or distance or	USPAT	OR	ON	2007/02/07 12:01

		length) and ((speed or velocity or rate or vector) adj (detect\$3 or sens\$3 or calculat\$3 or comput\$3 or determin\$3) same (ball or puck))				
S6	1	(bat or stick or racket or club or putter) and ((accelerometer or decelerometer or accelerat\$3 or decelerat\$3) with (sensor or detector)) and (electronic or gaming or video or game or sport or baseball or cricket or hockey or golf or tennis) adj (computer or machine or device or game or terminal) and ((strike\$4 or hit\$4 or contact\$4 or putt\$4 or reach\$3) adj (range or distance or length) and ((speed or velocity or rate or vector or trajectory or accelerat\$3 or decelerat\$3 or force) adj (detect\$3 or sens\$3 or calculat\$3 or comput\$5 or determin\$5) same (ball or puck))	USPAT	OR	ON	2007/02/07 12:53
S6	29	(bat or stick or racket or club or putter) and (accelerometer or decelerometer or ((accelerat\$3 or decelerat\$3 or speed or velocity or rate) with (sensor or detector or meter or transducer))) and ((strike\$4 or hit\$4 or contact\$4 or putt\$4 or reach\$4 or hit or stroke\$4 or swing\$4 or contact\$4 or impact\$4) adj (range or distance or length)) and ((speed or velocity or rate or vector or trajectory or accelerat\$3 or decelerat\$3 or force) adj (detect\$3 or sens\$3 or calculat\$3 or comput\$5 or determin\$5) same (ball or puck))	USPAT	OR	ON	2007/02/07 16:48

		or object or target))				
S7	602	463/37.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 16:49
S8	15	("5779555" "4342454" "3945646" "5482283" "5233544" "5351952" "6083123").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 17:09
S9	7	("5779555" "4342454" "3945646" "5482283" "5233544" "5351952" "6083123").pn.	USPAT	OR	ON	2007/02/07 17:09
S10	2	"US 20050176485"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/02/07 18:08
S11	1	"20050176485".pn. and "range"	US-PGPUB	OR	ON	2007/02/07 18:09
S12	1	"6394897".pn. and "distance"	USPAT	OR	ON	2007/02/07 18:09
S13	10	("4662635"   "5534917"   "5779548"   "6056640").PN. OR ("6394897").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/07 19:20
S14	7857	((mov\$3 or position\$3 or plac\$3) with ((within or "less than" or "smaller than" or "less" or smaller or lesser or "close" or "near") adj (distance or length or range or reach))) same ("out of range" or "too far" or "out of reach" or beyond or further or farther or ((without or "greater than" or "larger than" or greater or bigger or larger) adj (distance or length or range or reach)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 20:35
S15	89	S14 and ("273"/\$.ccls. or "434"/\$.ccls. or "345"/ \$.ccls. or "463"/\$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 19:45

S16	404	"463"/\$.ccls. and (tennis or volleyball)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 20:19
S17	23	volleyball and (("set" or sett\$3 or spik\$3 or strik\$3 or receiv\$3) adj ("near" or close or closeness or length or distance or proximity))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 20:33
S18	217	tennis and ((serv\$3 or strik\$3 or strok\$3 or hit or hitt\$3 or swing\$3 or volley\$3 or slam\$4 or lob\$4 or slic\$3 or smash\$3) adj ("near" or close or closeness or length or distance or proximity or range))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 20:35
S19	38	S18 and ("434"/\$.ccls. or "345"/\$.ccls. or "463"/\$.ccls. or "273"/\$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 20:42
S20	745	463/3,37.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 21:13
S21	842	(baseball or softball or cricket) and ((batting or strik\$3) adj (region or zone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 21:14
S22	223	S21 and ("434"/\$.ccls. or "463"/\$.ccls. or "345"/\$.ccls. or "273"/\$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 21:19
S23	4	("6394897" "6929543" "5741182" "5269519"). pn.	USPAT	OR	ON	2007/08/20 20:07

S24	10	("5269519"   "5741182"   "5823878"   "5846086"   "6257983"   "6312335"   "6371849"   "6394897"   "6746331"   "6929543").PN.	US-PGPUB; USPAT	OR	ON	2007/08/29 21:29
S25	5265	(mov\$3 or position\$3 or plac\$5 or distanc\$3 or run\$4) with (player or user or participant or member or hitter) with ((close\$2 or near\$3 or range or distance or zone or region or area or length or proxim\$3 or next) near2 (ball or puck or projectile or missile))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 21:32
S26	645	S25 and ("273"/\$.ccls. or "345"/\$.ccls. or "463"/ \$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 22:03
S27	6847	(bat or club or racket or racquet or stick or driver or wood or iron or putter or controller) with (accelerometer or ((accelerat\$3 or decelerat\$3) adj (sensor or detector or transducer)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 22:31
S28	68	S27 and "463"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 22:28
S29	65	("20010034272"   "20020128084"   "20030040373"   "20030054327"   "3501152"   "3529831"   "3563553"   "3598796"   "3633917"   "3712624"   "3729315"   "3769894"   "4577863"   "4875684"   "5133557"   "5313707"   "5333876"   "5358251"   "5413345"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 22:29

		"5419565"   "5486001"   "5820478"   "5822549"   "5846139"   "6033317"   "6375579"   "6663498"). PN.				
S30	27	("20010034272"   "20020128084"   "20030040373"   "20030054327"   "3501152"   "3529831"   "3563553"   "3598796"   "3633917"   "3712624"   "3729315"   "3769894"   "4577863"   "4875684"   "5133557"   "5313707"   "5333876"   "5358251"   "5413345"   "5419565"   "5486001"   "5820478"   "5822549"   "5846139"   "6033317"   "6375579"   "6663498"). PN.	US-PGPUB; USPAT	OR	ON	2007/08/29 22:29
S31	0	S30 and (accelerometer or ((acceleration or deceleration) adj (sensor or detector or transducer)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 22:29
S32	60439	(ball or puck or missile or projectile) near2 (speed or rate or velocity or acceleration or deceleration or direction or path or trajectory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 22:33
S33	52	S27 same S32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 22:33
S34	19575	(IR or infra\$1red) with (controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/30 15:51

S35	447	S34 and "463"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/30 15:52
S36	30	S35 and accelerometer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/30 16:09
S37	20	463/36.ccls. and (IR or infrared) and ((accelerometer or ((acceleration or deceleration) adj (sensor or detector or transducer)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/30 16:02
S38	177	463/36.ccls. and (IR or infra\$1red)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/30 17:02
S39	4	("5269519" "4940236" "5741182" "6929543"). pn.	USPAT	OR	ON	2007/08/30 17:03
S40	5	("5667220"   "5779555"   "6257983"   "6312335"   "6394897"). PN.	US-PGPUB; USPAT	OR	ON	2008/01/14 13:33
S41	909	(before with during with after) with (impact\$3 or collid\$3 or collision or crash\$3 or accident or dent\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 13:48
S42	4477	qwerty	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 15:05

S43	527	(before or ante) same (while or during or meantime or "same time as" or "even as") same (after or post) same (collision or colliding or crash\$3 or impact\$3 or accident) same (stress or force or accelerat\$3 or decelerat\$3 or tension or compression or pressure or strain) same (color or colour or shade or hue or gray \$1scale or bright\$4 or dark\$4 or intens\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 16:44
S44	237	345/647,648.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 15:16
S45	1	"5731819".pn.	USPAT	OR	ON	2008/01/14 16:45
S46	40	("5214758"   "5267154"   "5315692").PN. OR ("5731819").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/14 16:45
S47	10	three\$1dimension\$4 with ((strike or batting) near zone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 15:03
S48	1	(x with y with z) with ((strike or batting) near zone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 15:14
S49	6	((high or height) with (deep or depth or long or length) with (deep or depth with wide or width)) with ((strike or batting) near zone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 15:16
S50	39	((((high or height) with (deep or depth or long or length) with (deep or depth with wide or width)) or (x with y with z) or (three\$1dimension \$4)) same ((strike or batting) near zone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 15:18



S51	23	\$50 not (\$47 or \$48 or \$49)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 15:19
S52	401	(player or sprite or athlete or batter or member) with (intercept \$3) with ball	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 15:29
S53	1217	automatic\$4 with (intercept\$3 or receiv\$3 or recept\$3) with ball	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 16:12
S54	532	automatic\$4 with ((intercept\$3 or receiv \$3 or recept\$3) near2 ball)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 16:21
S55	30	"togami, kenji".in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 17:16
S56	17	("4662635"   "4672541"   "5320351"   "5489099"   "5534917"   "5779548"   "6056640").PN. OR ("2002/0065119"   "6371849"   "6394897"   "6428411").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/04 17:17
S57	17	("4662635"   "4672541"   "5320351"   "5489099"   "5534917"   "5779548"   "6056640").PN. OR ("6371849"   "6394897"   "6428411").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/04 17:18
S58	2080	(AI or "artificial intelligence") same ((hit \$4 or intercept\$3 or receiv\$3 or reception or catch\$3 or bat or bats or batt\$3) near2 ball)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 18:20

S59	1	("artificial intelligence") same ((hit\$4 or intercept\$3 or receiv\$3 or reception or catch\$3 or bat or bats or batt\$3) near2 ball)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 18:21
S60	32	("artificial intelligence") same (football or soccer or tennis or volleyball or golf or cricket or rugby or hockey or softball or basketball or polo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 18:23
S61	67	("artificial intelligence" near2 (opponent or player or adversary or athlete)) or "AI opponent" or "AI player" or "AI athlete" or "AI adversary"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 18:41
S62	2	"7059963".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 18:50
S63	9	("4215861"   "4915384"   "5816953"   "6135456"   "6244956"   "6334813"   "6371849"   "6431982"   "6461237").PN. OR ("7059963").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/04 18:51
S64	2	"5882204".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/04 19:01
S65	14	("4160942"   "4751642"   "5138322"   "5553846").PN. OR ("5882204").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/04 19:01

S66	139	(US-20010011035-\$ or US-20020004422-\$ or US-20020016194-\$ or US-20020016195-\$ or US-20020065119-\$ or US-20020107058-\$ or US-20020115482-\$ or US-20020123386-\$ or US-20020177477-\$ or US-20020183113-\$ or US-20020183961-\$ or US-20020187846-\$ or US-20030017863-\$ or US-20030040349-\$ or US-20030060248-\$ or US-20030073492-\$ or US-20030096648-\$ or US-20030109322-\$ or US-20030148815-\$ or US-20030148817-\$ or US-20030171169-\$ or US-20030190972-\$ or US-20030207718-\$ or US-20040032970-\$ or US-20040166934-\$ or US-20040248631-\$). did. or (US-20040248632-\$ or US-20050003877-\$ or US-20050017454-\$ or US-20050107180-\$ or US-20050176485-\$ or US-20050179202-\$ or US-20050227775-\$ or US-20060205463-\$ or US-20060232052-\$ or US-20070032318-\$ or US-20070054761-\$ or US-20070060410-\$ or US-20070155452-\$ or US-20070155453-\$ or US-20070155455-\$ or US-20070196800-\$ or US-20070206837-\$ or US-20070232405-\$ or US-20070238539-\$). did. or (US-3945646-\$ or US-4034983-\$ or US- 4249734-\$ or US- 4249735-\$ or US- 4302011-\$ or US- 4327915-\$ or US- 4372556-\$ or US- 4401304-\$ or US- 4545576-\$ or US- 4672541-\$ or US- 4928965-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2008/04/04 19:13
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